

#5

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/520,158
Source: PCT
Date Processed by STIC: 3/31/06

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 03/31/2006

PATENT APPLICATION: US/10/520,158

TIME: 15:40:57

Input Set : F:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\03312006\J520158.raw

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3 <110> APPLICANT: Micronas Holding GmbH
4   Klapproth, Holger
6 <120> TITLE OF INVENTION: Composition and process for stabilizing of biomolecules
8 <130> FILE REFERENCE: 1034
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/520,158
C--> 11 <141> CURRENT FILING DATE: 2005-01-04
13 <160> NUMBER OF SEQ ID NOS: 9
15 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 11
19 <212> TYPE: PRT
20 <213> ORGANISM: Artificial sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: Description of the artificial sequence: Motif of the LEA
class
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Amino acid position 1: X= K or T
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Amino acid position 2: X=A or G or K or M or T
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Amino acid position 3: X=R or D or A or E or Q or K
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Amino acid position 4: X= E or K or S
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Amino acid position 5: X= T or F or Y or A
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Amino acid position 6: X= K or R or T or A
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Amino acid position 7: X= D or E or Q
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Amino acid position 8: X= S or R or Y or K
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Amino acid position 9: X= A or T
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Amino acid position 10: X= G or A or R
55 <400> SEQUENCE: 1
W--> 56 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Glu
57   1               5               10
60 <210> SEQ ID NO: 2
61 <211> LENGTH: 11
62 <212> TYPE: PRT
63 <213> ORGANISM: Aphelenchus avenae
65 <400> SEQUENCE: 2
66 Lys Thr Ala Glu Phe Arg Asp Ser Ala Gly Glu

```

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67      1              5              10
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 11
72 <212> TYPE: PRT
73 <213> ORGANISM: Aphelenchus avenae
75 <400> SEQUENCE: 3
76 Lys Gly Gln Glu Phe Lys Glu Arg Ala Gly Glu
77      1              5              10
80 <210> SEQ ID NO: 4
81 <211> LENGTH: 11
82 <212> TYPE: PRT
83 <213> ORGANISM: Aphelenchus avenae
85 <400> SEQUENCE: 4
86 Lys Ala Glu Glu Thr Lys Gln Arg Ala Gly Glu
87      1              5              10
90 <210> SEQ ID NO: 5
91 <211> LENGTH: 11
92 <212> TYPE: PRT
93 <213> ORGANISM: Aphelenchus avenae
95 <400> SEQUENCE: 5
96 Lys Met Asp Glu Thr Lys Gln Arg Ala Gly Glu
97      1              5              10
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101 <211> LENGTH: 11
102 <212> TYPE: PRT
103 <213> ORGANISM: Betula pendula
105 <400> SEQUENCE: 6
106 Lys Ala Arg Lys Thr Lys Asp Ser Ala Ala Glu
107      1              5              10
110 <210> SEQ ID NO: 7
111 <211> LENGTH: 11
112 <212> TYPE: PRT
113 <213> ORGANISM: Betula pendula
115 <400> SEQUENCE: 7
116 Lys Ala Lys Glu Tyr Lys Asp Tyr Thr Ala Glu
117      1              5              10
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121 <211> LENGTH: 11
122 <212> TYPE: PRT
123 <213> ORGANISM: Betula pendula
125 <400> SEQUENCE: 8
126 Lys Ala Arg Glu Thr Thr Glu Lys Ala Arg Glu
127      1              5              10
130 <210> SEQ ID NO: 9
131 <211> LENGTH: 11
132 <212> TYPE: PRT
133 <213> ORGANISM: Betula pendula
135 <400> SEQUENCE: 9
136 Thr Lys Asp Ser Ala Ala Glu Lys Ala Arg Glu

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137	1	5	10
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RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 03/31/2006

PATENT APPLICATION: US/10/520,158

TIME: 15:40:58

Input Set : F:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\03312006\J520158.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1/2/3/4/5/6/7/8/9/10

VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/10/520,158

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Input Set : F:\SEQUENCE LISTING.txt

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Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:1; Xaa Pos. 1,2,3,4,5,6,7,8,9,10

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/520,158

DATE: 03/31/2006

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Input Set : F:\SEQUENCE LISTING.txt

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L:10 M:270 C: Current Application Number differs, Replaced Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:56 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:1
L:56 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:1
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0